

Form PTO-1449 (Substitute)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <i>Information Disclosure Statement</i> <b>BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	Attorney Docket Number <b>RAPT-01003US1</b>	Application/Patent Number <b>10/754,326</b>
	Applicant/Patent Owner <b>Jeffrey W. Carr</b>	
	Filing/Issue Date <b>January 9, 2004</b>	Group Art Unit <b>3742</b>

U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
		3,264,508	08-02-1966	Lai, et al.	313	231.01	06-27-62
		3,830,428	08-20-1974	Dyos, G	239	11	02-22-73
		4,035,604	07-12-1977	Maleka, et al.	219	121.44	07-21-75
		4,050,408	09-27-1977	Beucherie, P.	118	723VE	11-19-75
		4,306,175	12-15-1981	Schleicher, et al.	315	111.21	02-29-80
		4,339,326	07-13-1982	Hirose, et al.	204	298.38	11-19-80
		4,431,898	02-14-1984	Reinberg, et al.	219	121.43	09-01-81
		4,431,901	02-14-1984	Hull, D.	219	121.52	07-02-82
		4,439,463	03-27-1984	Miller, S	427	563	02-18-82
		4,440,556	04-03-1984	Oh, et al.	65	436	06-23-82
		4,440,558	04-03-1984	Nath, et al.	65	391	06-14-82
		4,674,683	06-23-1987	Fabel, A.	239	13	05-06-86
		4,689,467	08-25-1987	Inoue, K.	219	121.6	08-17-84
		4,863,501	09-05-1989	Mansfield, R.	65	391	06-30-88
		4,897,282	01-30-1990	Kniseley, et al.	427	446	08-23-88
		4,908,492	03-13-1990	Okamoto, et al.	219	121.52	05-05-89
		4,924,061	05-08-1990	Labat, et al.	219	121.52	06-10-88
		4,958,767	09-25-1990	Labrot, et al.	239	13	04-29-88
		5,000,771	03-19-1991	Fleming, Jr., et al.	65	391	12-29-89
		5,007,771	04-16-1991	Fu, et al.	405	128.75	02-26-90
		5,095,189	03-10-1992	Frind, et al.	219	121.47	09-26-90
		5,106,827	04-21-1992	Borden, et al.	505	480	02-05-91
		5,144,151	09-01-1992	Thorne, et al.	250	559.42	03-20-91
		5,200,595	04-06-1993	Boulos, et al.	219	121.52	04-12-91

U.S. Patent Application No. 10/754,326

- 4 -

Attorney Docket No.: RAPT-01003US1

M:\MRobbins\wp\RAPT\1003US1\EFileIDS 01-10-2008\RAPT-01003US1-Supplemental-Information-Disclosure-Statement.wpd

Examiner Signature: \_\_\_\_\_

Date Considered: \_\_\_\_\_

Form PTO-1449 (Substitute)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <i>Information Disclosure Statement</i> <b>BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	Attorney Docket Number <b>RAPT-01003US1</b>	Application/Patent Number <b>10/754,326</b>
	Applicant/Patent Owner <b>Jeffrey W. Carr</b>	
	Filing/Issue Date <b>January 9, 2004</b>	Group Art Unit <b>3742</b>

U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
		5,206,471	04-27-1993	Smith, D.	219	687	12-26-91
		5,238,532	08-24-1993	Zarowin, et al.	216	67	02-27-92
		5,254,830	10-19-1993	Zarowin, et al.	219	121.43	05-07-91
		5,280,154	01-18-1994	Cuomo, et al.	219	121.52	01-30-92
		5,290,382	03-01-1994	Zarowin, et al.	156	345.35	12-13-91
		5,291,415	03-01-1994	Zarowin, et al.	700	188	12-13-91
		5,292,400	03-08-1994	Mumola, P.	216	71	03-23-92
		5,298,103	03-29-1994	Steinberg, et al.	156	345.43	07-15-93
		5,298,714	03-29-1994	Szente, et al.	219	121.48	12-01-92
		5,321,224	06-14-1994	Kamimura, et al.	219	76.15	03-07-91
		5,336,355	08-09-1994	Zarowin, et al.	156	345.39	12-13-91
		5,344,524	09-06-1994	Sharma, et al.	438	459	06-30-93
		5,346,578	09-13-1994	Benzing, et al.	156	345.48	11-04-92
		5,349,154	09-20-1994	Harker, et al.	117	102	12-17-92
		5,356,674	10-18-1994	Henne, et al.	427	449	03-30-93
		5,364,434	11-15-1994	Sanghera, et al.	65	30.1	09-30-92
		5,364,496	11-15-1994	Bollinger, et al.	216	67	08-20-93
		5,372,674	12-13-1994	Steinberg, G.	216	17	01-28-94
		5,375,064	12-20-1994	Bollinger, L.	700	188	12-02-93
		5,376,224	12-27-1994	Zarowin, C.	216	66	02-27-92
		5,386,119	01-31-1995	Ledger, A.	250	341.8	03-25-93
		5,405,480	04-11-1995	Benzing, et al.	156	345.48	07-11-94
		5,419,803	05-30-1995	Mumola, P.	216	38	11-17-93

Form PTO-1449 (Substitute)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <i>Information Disclosure Statement</i> <b>BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	Attorney Docket Number <b>RAPT-01003US1</b>	Application/Patent Number <b>10/754,326</b>
		Applicant/Patent Owner <b>Jeffrey W. Carr</b>	
		Filing/Issue Date <b>January 9, 2004</b>	Group Art Unit <b>3742</b>

U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
		5,429,730	07-04-1995	Nakamura, et al.	204	192.34	11-02-93
		5,430,355	07-04-1995	Paranjpe	315	111.21	07-30-93
		5,474,642	12-12-1995	Zorina, et al.	156	345.24	02-01-94
		5,503,677	04-02-1996	Morsen, et al.	118	723R	11-15-94
		5,563,709	10-08-1996	Poultney, S.	356	613	09-13-94
		5,591,068	01-07-1997	Taylor, J.	451	104	03-15-95
		5,639,699	06-17-1997	Nakamura, et al.	427	527	04-11-95
		5,650,032	07-22-1997	Keller, et al.	156	345.48	06-06-95
		5,676,863	10-14-1997	Jouvenel, et al.	219	121.52	07-12-95
		5,680,382	10-21-1997	Inoue, M.	369	53.2	04-08-93
		5,688,415	11-18-1997	Bollinger, et al.	219	121.41	05-30-95
		5,767,627	06-16-1998	Siniaguine, O.	315	111.41	01-09-97
		5,795,493	08-18-1998	Bukhman, et al.	438	5	05-01-95
		5,811,021	09-22-1998	Zarowin, et al.	216	67	02-28-95
		5,811,022	09-22-1998	Savas, et al.	216	68	11-15-94
		5,863,829	01-26-1999	Nakayoshi, et al.	438	459	11-13-96
		5,877,471	03-02-1999	Huhn, et al.	219	121.49	06-11-97
		5,897,712	04-27-1999	Hanawa, et al.	216	68	07-16-96
		5,916,455	06-29-1999	Kumagai, H.	216	68	07-08-96
		5,925,266	07-20-1999	Gagne, P.	219	121.48	10-15-97
		5,932,293	08-03-1999	Belashchenko, et al.	427	446	03-29-96
		5,942,445	08-24-1999	Kato, et al.	438	691	03-25-97
		5,944,902	08-31-1999	Redeker, et al.	118	723AN	06-16-98

Form PTO-1449 (Substitute)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <i>Information Disclosure Statement</i> <b>BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	Attorney Docket Number <b>RAPT-01003US1</b>	Application/Patent Number <b>10/754,326</b>
	Applicant/Patent Owner <b>Jeffrey W. Carr</b>	
	Filing/Issue Date <b>January 9, 2004</b>	Group Art Unit <b>3742</b>

U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
		5,955,383	09-21-1999	Hwang, Y.	438	729	01-22-97
		5,961,772	10-05-1999	Selwyn, G.	156	345.39	01-23-97
		5,965,034	10-12-1999	Vinogradov, et al.	216	68	10-28-96
		5,981,392	11-09-1999	Oishi, H.	438	691	03-26-97
		5,998,757	12-07-1999	Schneider, G.	219	121.54	11-24-98
		6,004,866	12-21-1999	Nakano, et al.	438	459	02-28-97
		6,017,221	01-25-2000	Flamm, D.	438	14	05-30-97
		6,028,286	02-22-2000	Wicker, et al.	219	121.53	12-30-98
		6,030,489	02-29-2000	Hwang, Y.	156	345.26	07-01-99
		6,040,548	03-21-2000	Siniaguine, O.	219	121.48	11-25-98
		6,041,623	03-28-2000	Fleming, Jr.	65	391	08-27-98
		6,056,848	05-02-2000	Daviet, J.	156	345.48	09-10-97
		6,068,784	05-30-2000	Collins, et al.	216	68	04-01-93
		6,073,578	06-13-2000	Shimm et ak,	118	723I	12-04-98
		6,074,947	06-13-2000	Mumola, P.	438	689	07-10-98
		6,085,688	07-11-2000	Lymberopoulos, et al.	118	723I	03-27-98
		6,093,655	07-25-2000	Donohoe, et al.	438	717	02-12-98
		6,105,534	08-22-2000	Siniaguine, et al.	118	723EB	11-25-98
		6,139,678	10-31-2000	Siniaguine, O.	156	345.55	11-20-97
		6,143,129	11-07-2000	Savas, et al.	156	345.48	07-17-98
		6,153,852	11-28-2000	Blutke, et al.	219	121.59	02-12-99
		6,159,388	12-12-2000	Yanagisawa, et al.	216	60	01-26-98
		6,170,428	01-09-2001	Redeker, et al.	118	723I	07-15-96

Form PTO-1449 <i>(Substitute)</i>  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <i>Information Disclosure Statement</i> <b>BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	Attorney Docket Number <b>RAPT-01003US1</b>	Application/Patent Number <b>10/754,326</b>
	Applicant/Patent Owner <b>Jeffrey W. Carr</b>	
	Filing/Issue Date <b>January 9, 2004</b>	Group Art Unit <b>3742</b>

U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
		6,194,036	02-27-2001	Babayan, et al.	427	563	10-20-98
		6,200,908	03-13-2001	Vandamme, et al.	438	719	08-04-99
		6,203,661	03-20-2001	Siniaguine, et al.	156	345.51	12-07-99
		6,209,480	04-03-2001	Moslehi, M.	118	723I	07-10-96
		6,214,161	04-10-2001	Becker, et al.	156	345.48	08-06-98
		6,228,330	05-08-2001	Herrmann, et al.	422	186.05	06-08-99
		6,229,111	05-08-2001	McCay, et al.	219	121.59	10-13-99
		6,238,587	05-29-2001	Siniaguine, et al.	216	59	11-25-98
		6,239,004	05-29-2001	Aga, et al.	438	455	08-18-98
		6,239,553	05-29-2001	Barnes, et al.	315	111.51	04-22-99
		6,245,202	06-12-2001	Edamura, et al.	204	298.06	10-08-98
		6,284,668	09-04-2001	Imahashi, I.	438	716	02-02-00
		6,312,554	11-06-2001	Ye, Y.	156	345.38	12-05-96
		6,388,225	05-14-2002	Blum, et al.	219	121.48	10-02-00
		6,534,921	03-18-2003	Seo, et al.	315	111.51	11-09-00
		6,683,272	01-27-2004	Hammer, M.	219	121.48	12-31-02

U.S. PATENT PUBLICATIONS				
Examiner Initial		Patent Application Publication Number	Publication Date	Applicant
		US-2001/0052257 A1	12-20-2001	Magerle, R.
		US-2003/0230112 A1	12-18-2003	Ikeda, et al.
		US-2004/0118348 A1	06-24-2004	Mills, R.

Form PTO-1449 (Substitute)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <i>Information Disclosure Statement</i> <b>BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	Attorney Docket Number <b>RAPT-01003US1</b>	Application/Patent Number <b>10/754,326</b>
	Applicant/Patent Owner <b>Jeffrey W. Carr</b>	
	Filing/Issue Date <b>January 9, 2004</b>	Group Art Unit <b>3742</b>

U.S. PATENT PUBLICATIONS				
Examiner Initial		Patent Application Publication Number	Publication Date	Applicant
		US-2004/0173316 A1	09-09-2004	Carr, J.
		US-2005/0018199 A1	01-27-2005	LeBlanc, P.

FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document Number	Country Code	Publication Date (mm-dd-yyyy)	Class	Subclass	Trans- lation Yes   No	
		5-135896	JP	06-01-1993	C23C	4/00		
		9-115865	JP	05-02-1997	H05H	1/46		
		9-69397	JP	03-11-1997	G01N	27/62		
		10-298318	JP	11-10-1998	H05H	1/46		
		2000-173994	JP	06-23-2000	H01L	21/302		
		2000-174004 A	JP	06-23-2000	H01L	21/302		
		2000-183044	JP	06-30-2000	H01L	21/302		
		2002-170815	JP	06-14-2002	H05H	1/46		
		50-153024	JP	12-09-1975	C03C	25/00		
		63-289798	JP	11-28-1988	G01N	21/73		
		97/45856 A1	WO	12-04-1997	H01J	37/32		

NON-PATENT LITERATURE DOCUMENTS		
(Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages, volume-issue number(s), publisher, city and/ or country where published.		
		C.B. ZAROWIN, et al. "Rapid Non-Contact, Damage Free Shaping of Optical & Other Surfaces with Plasma Assisted Chemical Etching," 43 <sup>rd</sup> Annual Symposium on Frequency Control, 1989,IEEE, pp. 623-626
		D. BOLLINGER, et al., "Rapid, Non-Contact Optical Figuring of Aspheric Surfaces with Plasma Assisted Chemical Etching (PACE)," SPIE, Vol. 1333, Advanced Optical Manufacturing and Testing, 1990, pp. 44-57

Form PTO-1449 (Substitute)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket Number <b>RAPT-01003US1</b>	Application/Patent Number <b>10/754,326</b>
<i>Information Disclosure Statement</i> <b>BY APPLICANT</b> <i>(Use several sheets if necessary)</i>		Applicant/Patent Owner <b>Jeffrey W. Carr</b>	
		Filing/Issue Date <b>January 9, 2004</b>	Group Art Unit <b>3742</b>

NON-PATENT LITERATURE DOCUMENTS	
(Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages, volume-issue number(s), publisher, city and/ or country where published.	
	KULIKOVSKY, ANDREI A., "Production of Chemically Active Species in the Air by a Single Positive Streamer in a Nonuniform Field," IEEE Transactions on Plasma Science, Vol. 25, No. 3, June 1997, pp. 439-446
	HIDEO TAKINO, et al., "Computer Numerically Controlled Plasma Chemical Vaporization Machining with a Pipe Electrode for Optical Fabrication," Applied Optics, Vol. 37, No. 22, August 1, 1998, pp. 5198-5210
Examiner	Date Considered
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> <hr/> <p>*1 = Copy not submitted because it was submitted in prior application SN __/____, filed _____, 20____, relied on under 35 USC §120.</p> <p>**2 = Copy not submitted because it was submitted in prior application SN __/____, filed _____, 20____, relied on under 35 USC §120.</p>	